

# Y-12 BULLETIN

A NEWSPAPER BY AND FOR EMPLOYEES OF CARBIDE AND CARBON CHEMICALS CORPORATION IN Y-12

Volume 2, No. 44

58511

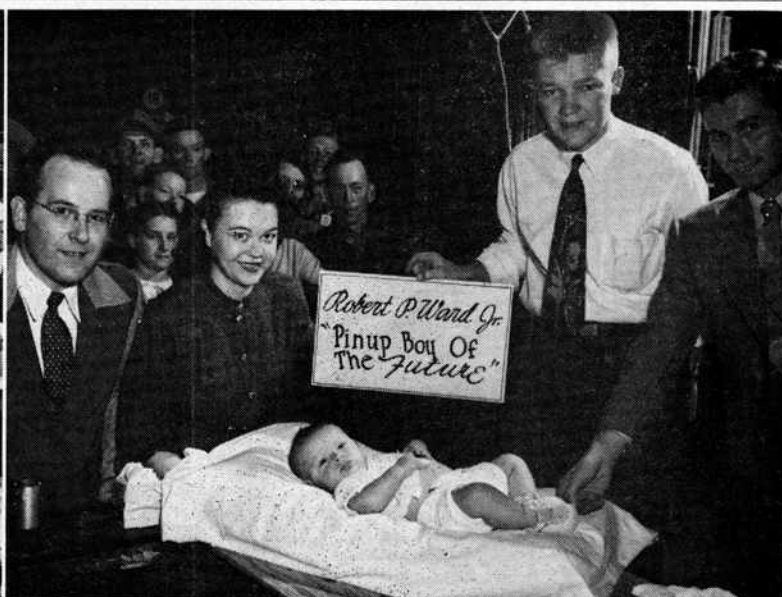
OAK RIDGE, TENNESSEE

58510

Tuesday, November 2, 1948



IT REALLY DID HAPPEN IN OAK RIDGE—PROBABLY the first mechanical diaper change in history. The delicate and accurate "mechanical hand" developed by General Electric Co. as an aid to the safety of scientists was put to the unusual job of participating in a domestic task of attending little Bobby Ward, the center of attraction in the picture to the left. Carefully observing



from the left are Paul Ward, of the Y-12 Housing Office, and his wife, Judy, as Richard Dixon, operator of the machine, performs the chore. In the front row of spectators next to the man with the pipe is Dr. C. E. Larson, Y-12 Superintendent, who enjoyed the entire procedure. The picture at the right shows the Wards, Dixon and Frank Gorman, also a General Electric attendant of the "mechanical hand."

Y-12 Photos By Vince Moore

## Red Cross Blood Bank Observes Anniversary

The blood bank program of the Oak Ridge Chapter of the American Red Cross observed its first anniversary Sunday, October 24. During the year the volunteer blood donor service has been a clearing house for 1,302 pints of blood used in the Oak Ridge and Knoxville hospitals.

Mrs. Philip S. Anderson, chairman of the chapter's volunteer blood donor program, points out that if there had been a charge for the blood provided by the chapter, the 1,302 pints would represent a cash value of \$32,550 at a

(Continued on Page 3)

## Dr. Householder To Resume Seminar Meetings Wednesday

Dr. A. S. Householder, of the Oak Ridge National Laboratory, will resume his appearances in the sessions of the Y-12 seminars on research techniques Wednesday, November 3, in the west end of the Y-12 cafeteria. The session will begin at 3 o'clock and last until 4:20 o'clock.

Dr. Householder will lead the session in the study of curve fitting. It will be the third of four sessions scheduled on this subject. All Y-12 technical and scientific personnel are urged to attend the meeting.

## Camera Club Will Nominate Officers For 1949 Next Week

In addition to holding a color slide contest at its next regular meeting on Tuesday night, November 9, the Carbide Camera Club will nominate officers for the coming year, it has been announced by Virgil Haynes, program chairman of the club. The meeting will be held at 7:30 p.m. in the club headquarters at the Y-12 East Portal.

Nominations will be received for president, vice president, secretary-treasurer and program chairman. These positions now are held by Foster F. Calloway, of Y-12; Paul Vanstrum, of K-25; Don Ross and Virgil Haynes, both of Y-12. The annual club election will be held at the December meeting of the club scheduled for Tuesday night, December 14.

## GE's 'Hand' Changes Tot's Diaper For Appreciative Y-12 Parents

That almost human "mechanical hand" displayed at the Atomic Energy Commission "Man And The Atom" show in Oak Ridge last week may not supplant "the hand that rocks the cradle," even in the world of tomorrow, but it may go a long way toward solving some of the domestic problems facing parents of young infants. That is, if

General Electric Co., designers and manufacturers of the gadget, decide to go into mass production of the machine now being used to enable scientists to handle potentially dangerous articles by remote control without using their hands.

Disdain Use Of "Stand-In"

Paul Ward, of the Y-12 Housing Office, and his wife, Judy, ex-employee in the Y-12 Central Reports and Information Office, decided to try out the mechanical hand one night last week to determine if the instrument could perform one of the most constant chores confronting young parents—that of "changing" junior. Disdaining the use of a "stand-in," they brought Robert Paul Ward, Jr., three months old, known as Bobby to his folks, to the AEC show with the request that attendants of the "mechanical hand" display both the versatility of the machine and their own knowledge of the technique required in the operation of diaper changing.

Now Richard Dixon and Frank Gorman, General Electric employees assigned to the operation of the mechanical marvel at the show here and who also had operated the device at the New York showing of the instrument, had

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## AEC Show Successful; Y-12ers Aid In Event

The Atomic Energy Commission show, "Man and the Atom," closed its successful eight-day stand in Oak Ridge last Saturday after drawing many thousands of spectators from Oak Ridge and East Tennessee to see the displays that pictured the use of atomic energy in research and the possibilities of utilizing the great power as a boon to mankind in the future.

School Delegations Attend

Adults and children alike visited the many exhibits in the show to see and hear about atomic energy. Included among the visitors were many school pupils who traveled in groups by bus to the matinee sessions of the show.

The displays of the three Carbide and Carbon Chemicals Corporation plants drew much attention during the show. The electromagnetic process used in Y-12 and the gaseous diffusion process used at K-25 were explained through mechanical analogies and the work of the Oak Ridge National Laboratory also was explained.

50 Y-12ers Assist Show

About 50 Y-12 employees contributed to the success of the show in various types of work. Personnel from Depts. A20N, A17N, B12H, A13N and A14N assisted in assembling the show with millwrights, carpenters, riggers, service mechanics, electricians, laborers and janitors being called on. During presentation of the exhibits, several Y-12 representatives were on hand to explain details to visitors. They included Leo Hemphill, Dept. A13W; John Harding, Dept. H12L; George H. Linder, Dept. A13W; C. D. Susano, Dept. H12D; H. E. Buckminster, Dept. A13W; L. J. Brady, Dept. H12D; Albert Clark, Jr., Dept. H12D; John Drury, Dept. H12D; and Myron Fields, Dept. H12E.

After the show closed last Saturday preparations began at once to send it to Cincinnati, Ohio, where it will be shown next week.

## Guards Hold Top Spot In Attendance Race

The Guard Department held onto first place in the Major League attendance standing by .2 of a point for the week ending October 24.

Dept. B12H, Refining, followed the leader to occupy second place for the second straight week. Dept. H12L, Isotope Development, soared up from 15th place in the preceding week's standing to take over the No. 3 slot for the present reporting period.

The plant average for the week ending October 24 was 2.5 per cent.

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## AEC Now Accepting Bids For Beautification Project

The Atomic Energy Commission is taking steps to further beautify Oak Ridge by announcing that bids will be accepted until November 30 for planting of trees and shrubs in the vicinity of the central steam plant, Oak Ridge Turnpike and Administration Road.

Plans call for planting of approximately 180 trees and 200 shrubs in the area immediately surrounding the steam plant. The contractor will furnish the trees and shrubs, place top soil, plant the vegetation and remove unsuitable excavated material. The work must be completed in 100 calendar days.

## Y-12 Crosses Chest Finish Line Like Citation; M12M Tops Plant

Y-12 crossed the finish line in the Oak Ridge Community Chest derby like Citation—far ahead of the field. At the final checkup last Thursday it was ascertained that Y-12 employees had contributed the sum of \$5,470.25 to the campaign. With its original quota set at \$4,000, the amount raised is more than 35 per cent over the goal.

Topping the Y-12 departments was Dept. M12M, Material Control, of which Fred Uffelman is supervisor. This group of 21 employees raised 205 per cent of its quota in record time.

However, every department in Y-12 either met or exceeded its quota during the drive and the plant as a whole was over the top

## Groves Warns Security Need Is Increasing

Increasing efforts of subversive agents to obtain vital information on development of atomic weapons by the United States, as pointed out in a recent interview by Lieut. Gen. Leslie R. Groves, retired, is cited by the Y-12 Security Office in stressing the need of complete compliance with the security regulations now in effect in the plant.

General Groves, former commander of the Manhattan District and in charge of the atomic bomb development during World War II, declared that subversive elements definitely attempted to get the atomic secrets of the United States during the war and "these attempts undoubtedly are being pushed with redoubled intensity today."

"Somebody Talked Too Much"

The former Manhattan District commander declared that in many cases of leakage of vital and secret information there were no spies watching operations but the data was passed on "by somebody talking too much to people he shouldn't have talked to. It was a failure to observe the basic principles of security."

Other breaches in the wall of security erected around the nation's atomic program during the war cited by General Groves as examples of how careless talk can release valuable and secret information included an incident at the Hanford, Wash., plutonium plant. Something went wrong at that plant and within 24 hours knowledge of the difficulty reached New York where, General Groves said, there was well-founded suspicion that the information was turned over to a person "outside the project."

Restricted Data Designated

General Groves' statement that some leaks have been caused by "innocent" talks by persons connected with the atomic energy program brings a reference by the Y-12 Security Office to the fact that security regulations for the plant specifically provide and describe information and materials designated as "restricted data" by the Atomic Energy Commission. The plant security regulations also describe methods to be used by anyone wishing to discuss or write about phases of the work being done here.

The cooperation of every Y-12 employee in observing and maintaining the security program is vital to the safety of the nation, according to the statement by Gen-

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# Y-12 Bulletin

Published Weekly By  
Carbide And Carbon Chemicals  
Corporation  
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Oak Ridge Tenn.  
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## First Concert By Ridge Chorus Set November 12

Under its new director, Riley Barrett, the Oak Ridge Community Chorus will present its first concert of the 1948-1949 season at 8:15 o'clock Friday night, November 12, at the high school auditorium.

Among the members of the choral group are John Redman, Phyllis M. Brown, Georgia Mae Moore and Joseph Edwin Lee, all Y-12 employees.

The concert next Friday marks the beginning of the fifth year of activities of the Community Chorus and its second under sponsorship of the Oak Ridge Civic Music Association. The program for the concert will consist of sacred and light concert numbers, including two groups of Negro spirituals, one being an arrangement of "Dry Bones," made popular by Fred Waring.

All Oak Ridge vocalists are invited to attend rehearsals of the chorus and more tenor and bass singers are especially needed. Although it is too late to enroll in the chorus for this November 12 concert, rehearsals will be resumed at 7:30 o'clock, Tuesday night, November 16, in Room 32, of the Jefferson Junior High School.

## Like To Cook? Then Try This Recipe

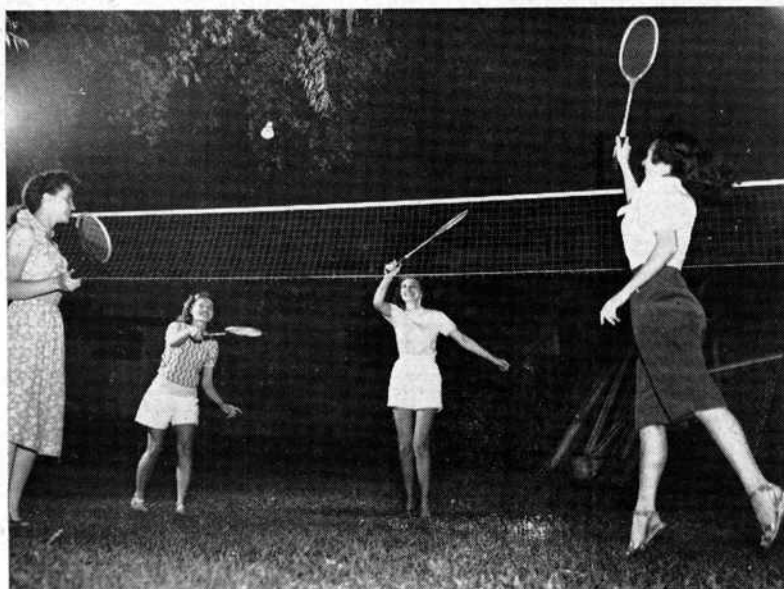
### BAKED BROWN LOAF

One cup sifted flour.  
One-half cup sugar.  
One and one-half teaspoons baking soda.  
One-half teaspoon salt.  
One and one-half cups whole-wheat flour.  
One-half cup raisins.  
One-half cup evaporated milk.  
One-half cup water.  
One tablespoon vinegar.  
One egg, beaten.  
One cup molasses.  
Sift white flour with sugar, soda and salt. Add whole-wheat flour and raisins. Combine milk and water and stir in the vinegar. Add with the molasses to the beaten egg. Stir into the dry ingredients. Pour into a greased loaf pan. Bake in a slow oven (325 degrees Fahrenheit) until done, about one and one-quarter hours. Makes one loaf with 2,398 calories. Source of Vitamins A and B Complex. Preparation time, one and one-half hours.

### SLAW WITH TANGY DRESSING

Three cups finely cut cabbage.  
Three-quarter teaspoon salt.  
Dash of pepper.  
One and one-half tablespoons sugar.  
Two large carrots, grated.  
One small onion, finely chopped.  
One-half cup light cream or evaporated milk.  
Two tablespoons vinegar or lemon juice.  
Sprinkle cabbage with salt, pepper and sugar and add onion and carrots. Mix milk and vinegar and pour over cabbage. Toss lightly with two forks. Keep cold until ready to serve. Garnish with pineapple and parsley.  
Serves six with 61 calories per serving. Source of Vitamins A, C and B Complex. Preparation time 20 minutes.

You are not dressed for work until you put on a smile.



## Strictly Confidential..

W. J. Wanamaker, Dept. A20N, returned recently from a vacation spent visiting in-laws in St. Louis, Mo.

Employees of Dept. A15N send a speedy get well wish to J. A. Joslin who is ill in the Oak Ridge Hospital . . . Recent week-end guests of Alice Bullard were Mr. and Mrs. J. C. McRae, of Mobile, Ala. . . J. L. Kennedy and C. E. Dalton have returned from vacation.

Margaret Holley Eager, Dept. B12L, is back on the job after vacationing in New Orleans. She also toured the Gulf Coast visiting Gulfport, Miss., and Pensacola, Fla., and made a stop at Biloxi, Miss. . . Nell and Jim Charles and Roger Brotherton and his wife attended homecoming at Carson-Newman College in Jefferson City, Tenn., recently . . . Wilbur McIntosh spent his vacation taking life easy in Oak Ridge . . . Earline and George Banic had as recent week-end guests her parents. Mr. and Mrs. D. E. Smith, accompanied by Mr. and Mrs. W. H. Todd and son, of Travelers Rest, S. C. . . George Leonard visited with her parents in Rogersville, Tenn., last week . . . Bob Bennett and his family recently moved to their new home at 126 Kentucky Ave. in Clinton.

R. C. Kelly, Dept. H12L, spent his vacation in Eufaula, Ala. . . T. J. Stephens and T. E. Crabtree made a week-end trip to Middlesboro, Ky.

R. H. "Joe" Evans, Dept. A13S, traveled to Asheville, N. C., during his vacation last week.

T. H. Allison, Dept. A12G, and his family made a week-end trip to Gassney, S. C. . . Otis Rackley is visiting his parents in Dalton, Ga. During the latter part of his vacation he intends to call on his sister in Athens, Ga. . . G. W. Johnson and Sam Dunlap are on the vacation list.

Dewey Nichols, Dept. A12M, is back on the job after a restful vacation in Oak Ridge.

Garnette Adams, Dept. M12P, spent last week visiting with his friends and relatives in Union City, Tenn.

Dept. A12R extends a speedy get well wish to Verna Peckman's mother, who is ill in St. Mary's Hospital in Knoxville.

Esther Moody, Dept. A12D, is back on the job after visiting with relatives and friends in Sweetwater and Knoxville . . . Lilly Clas returned recently from a vacation spent with friends and relatives in East St. Louis, Ill., and Springfield, Mo.

Vacation time found A. V. Bible, Dept. A12S, enjoying the quiet home life in Oak Ridge and taking some hunting and fishing trips on the side . . . Paul Snodgrass and his family made a week-end trip to Johnson City . . . Katherine Jenkins paid a recent visit to her mother in Edgemore, Tenn. . . Inez Lowry spent a restful vacation with her family in Knoxville last week.

Dick Weichel and Dick Gallaher, Dept. H12D, finally caught some fish. They loaded up their fishing equipment and traveled to K-25 Lake and after a hard day of fishing the fishermen very proudly put on exhibit a big long string of

crappie, blue gill and what have you . . . Tom Tarwater is now strutting a new Ford . . . Henry McLeod spent a recent week end improving his yard by planting some hybrid iris . . . L. P. Twichell was among the Y-12 employees who attended the Chicago Chemical Exhibition in Chicago recently.

Vera Rogers, Dept. B12H, made a week-end visit with friends in Baltimore, Md., and Washington, D. C. . . Charlie Gault returned recently from a vacation with friends in Kentucky . . . Grace Boyd called on relatives in Athens and Chattanooga, Tenn., during her vacation . . . Mary Deadmore was in Miami Beach, Fla., vacationing last week.

Emma Russell, Dept. A12N, and Christine Spartman, Dept. B12A, spent a recent week end in Gatlinburg with the Methodist Youth Group from Oak Ridge . . . Oral Burnette, G. B. Tucker and Helen Sisson are back on the job after an extended illness.

Dept. A13N welcomes Wilbur Clarridge back on the job after a long illness.

## Regular Physical Examinations Urged

The diseases most apt to cause trouble in middle and later life—diseases of the heart and arteries, cancer, nephritis, diabetes—are best controlled if discovered in the early stages. Early discovery is best assured by a regular physical examination, which is one of the most important safeguards in middle and old age. The progress of medical scientists is studying the cases, prevention, and management of these so-called "degenerative diseases" is making the prospects of living not only a long but also a healthy life brighter all the time. The best way to get full benefit from the new developments in prevention and treatment of these diseases is to cooperate wholeheartedly with physicians.

## America-Asia Span Evidence Sought

Irwin M. Newell, assistant biology professor at the University of Oregon, is seeking evidence that North America and Asia once were connected by a land bridge across the Bering Straits, according to a news story from Eugene, Ore. Professor Newell now is on an Alaskan exploration expedition covering 3,500 miles of coastline under auspices of the Arctic Institute of North America and hopes to prove his theory by comparing plant life along the seashore.

Professor Newell believes the land bridge once connected Siberia and Cape Wales, Alaska, and his exploration will cover the Bering Sea where it touches Alaska as well as part of the Arctic Sea north to Point Barrow.

The famous meeting between H. M. Stanley, of the New York Herald; and Dr. Livingstone, the explorer, took place November 10, 1871, at Ujiji, Africa.



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Y-12 Photos By Vince Moore

THOSE FINE INDIAN SUMMER DAYS LAST WEEK were enjoyable, but employees in Dept. M13P probably had thoughts of the party staged by the department during the pale face or legitimate summer some time back. Scenes from this party are shown above. At left Sally Wilder, Mae Carson, Lucy Murphy and Opal Blackwell wage a warm badminton battle. At top right a group of watermelon (remember the season) eaters demonstrate their delight over the tasty fruit. In the picture are Mr. and Mrs. R. McDougal, Mr. and Mrs. Harry Keene, Walter Hoose, Mr. and Mrs. Densmore, Mr. and Mrs. Oscar Blackwell, Mr. and Mrs. R. S. Phillipi and Jo Black Keen. In the lower picture the merry-makers relax after supper. In the picture are Spencer Wallace, Walter Hoose, Allen Townsend, Lucy Murphy, Mae Carson, Margie Wallace, Jean Wallace, Bobby Mustin, Don Hoose, Bill Wallace, Mrs. Walter Hoose, Sally Wilder, Carroll Hoose and Richard N. Mustin.

## Y-12 Father Pins Badge On Son At Boy Scout Troop No. 299 Rite

58505



Y-12 Photos By Vince Moore

FATHER AND SON BEAM PROUDLY AS THE FATHER, Clyde Johnson, Dept. A12W, straightens Clyde, Jr.'s neckerchief after pinning a tenderfoot badge on the boy at a recent ceremony held by Boy Scout Troop No. 299 in Oak Ridge. Scoutmaster Ray Arms, Dept. A12W, holds a candle as his assistant scoutmaster, R. E. Getgood, Dept. A14N, smiles at young Johnson.

Exhibiting the typical community spirit of a Y-12 employee, Clyde Johnson, Dept. A12W, recently accepted a position as troop committeeman for Boy Scout Troop No. 229 in Oak Ridge at an investiture service held at their headquarters in the Scout hut at the rear of Cedar Hill School.

The candlelight ceremony was in the honor of Johnson's son, Clyde, Jr., who had his tenderfoot badge pinned on him by his father, a former Boy Scout.

Clyde's Scoutmaster is Ray Arms, Dept. A12W. His assistant is R. E. Getgood, Dept. A12N. Both Arms and Getgood are expecting to be promoted from their present rank as Life Scouts to Eagles in December.

The troop is sponsored by the Oak Ridge Lion's Club and has approximately six boys as members whose fathers are employed at Y-12.

## Hospital List

The following Y-12 employees were patients at the Oak Ridge Hospital last week. Rudolph Pletz, Dept. H12D; Andrew Skritansky, Dept. B12L; John R. Joslin, Dept. A15N.

Edward P. Weston, long distance walker, completed a walk from Portland, Me., to Chicago, November 27, 1907, the jaunt taking about 25 days.



One birth was reported to a Y-12 family at the Oak Ridge Hospital last week. Parents were Mr. and Mrs. Harold C. McCurdy, a girl, October 10.

This should be a good time for hunting—plenty of deer meat.



## Armistice Parade Set To March At Night

To accommodate the wishes of many Oak Ridge organizations who want to participate in the event, the Armistice parade originally scheduled for the afternoon of Thursday, November 11, will be held at 7 o'clock that night, it has been announced by Charles E. Boone, commander of Atomic City Post No. 199, sponsors of the celebration.

Following the parade, an Armistice Ball will be staged by the Legion post at Oak Terrace, formerly Grove Recreation Hall. This affair will begin at 9 p.m. and continue until 1 a.m. A feature of the ball will be the selection of "Miss Oak Ridge," with leading residents of the city being invited to act as judges.

### Pennington Is Parade Chairman

Paul Pennington, of Y-12, is chairman of the parade committee under E. J. Mudd, general chairman of the Armistice Day observance committee. Charles Ryan, Jr., will be parade marshal.

The five Anderson County Legion posts from Oak Ridge, Clinton, Norris, Oliver Springs and Lake City will join in the observance. Other Oak Ridge veterans' groups, the National Guard, Reserve Officers, Boy and Girl Scouts, the AEC Patrol, Fire and Police Departments of Oak Ridge and other organizations will participate in the parade. Several floats are expected to be entered, according to Chairman Pennington.

### Several Bands In Parade

Marching music will be provided by a number of bands, including the Oak Ridge Municipal Band sponsored by the Atomic City Post. The Oak Ridge High School band and the Jefferson Junior High School musicians also will be in the parade and bands from Clinton, Rockwood and Harriman High Schools have been invited.

The parade will form on Tyler Road back of the Oak Ridge Hospital and will move from there to the Oak Ridge Laundry, thence to Tennessee Ave., to Georgia Ave., to Broadway and back to point of origin. The bands will leave the procession as it passes Jackson Square and mass in the parking lot below the high school to play the Star Spangled Banner.

## Sportsmen To Hold Meeting; Turkey Shoot Set Saturday

The Oak Ridge Sportsmen's Club will hold a regular business meeting tonight and on Saturday will stage a turkey shoot with prizes for the winners.

The business meeting will be held at 8 o'clock tonight at the club house on West Oak Ridge Turnpike. A motion picture will be shown.

The turkey shoot will consist of firing at dead targets with live turkeys being awarded as prizes.

## Radioactive Isotopes Used In Philofilm Gage

Use of radioactive isotopes in gages for measuring the thickness of sheets of plicofilm has been announced by research engineers of the Goodyear Tire and Rubber Co., it is stated by the magazine Iron Age in a recent issue. Mechanical gages, it is reported, have not been satisfactory for measuring the thickness of plicofilm sheets which average one thousandth of an inch. The new radioactive gage makes it possible to gage a sheet of plicofilm as it comes from the rolls. No mechanical contact with the film is necessary. The gage is said to be accurate to a millionth of an inch. Cost is estimated at only a few hundred dollars.

### LIFE—PLUS 10 YEARS

The Allies really threw the book at Rudolph Hess, former Nazi leader now serving a life sentence for war crimes. He has been sentenced to another 10 years in a labor camp as a "major Nazi offender," a recent news report from Germany declared.



CARBIDE'S EXHIBITS AT THE ATOMIC ENERGY COMMISSION show, "Man And The Atom," drew large throngs of interested visitors last week. At left is a general view of the Company's displays with the Y-12 section in the foreground at the right. Standing with his back to the booth and wearing a badge



Y-12 Photos By Vince Moore  
is Myron Fields, Dept. H12E, one of the Y-12 employees at the show who helped explain the exhibits to the visitors. At right, Y-12 Photographer Vince Moore poked his camera through the back of the Y-12 booth to snap a group of folks watching the mechanical analogy used to explain the electromagnetic process of atomic fission.

## Electromet To Build Ferro-Alloy Plant

Plans for the erection of a new ferro-alloy plant near Marietta, Ohio, have been announced by Electro Metallurgical Company, unit of Union Carbide and Carbon Corporation, of which Carbide and Carbon Chemicals Corporation also is a unit. Construction will start in the near future, and the plant will be placed in operation at the earliest possible date.

### Located on Ohio River

The plant is located on the Ohio River about six miles south of Marietta. In addition to river transportation facilities, the new plant will be served by the Baltimore and Ohio Railroad.

This plant will provide facilities for producing ferro-alloys of various types, which are used in the manufacture of steel and iron. These products include silicon alloys, manganese alloys, and chromium alloys. Silicon is widely used as a deoxidizer and degasifier in many grades of steel and iron and as an additive agent for high-silicon steels, which are used importantly in the electrical industry. Manganese is an essential ingredient in the manufacture of nearly all grades of steel. It improves hot-rolling properties, adds strength and toughness and is generally used as a deoxidizer. Chromium is the principal alloying element in stainless steels and irons. Ferrochrome imparts strength, hardness, and resistance to corrosion and oxidation in other steels and irons.

### Power Plant Is Planned

The electric power required for smelting these products in electric furnaces will be supplied by a steam-power generating station to be erected in conjunction with the ferro-alloy plant. Of the raw materials required for initial operations, silica rock and coke will be obtained from local sources.

### TABLES ARE TURNED

A recent news dispatch from Lewiston, Maine, tells how Deputy Sheriff Cornelius J. Russell, county eviction officer, received a set of eviction papers — to serve on himself.



## GE's 'Hand' Changes Tot's Diaper For Appreciative Y-12 Parents

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been asked many questions and posed many problems as to the capabilities of the device. However, this was a new one.

Nevertheless, confident in the powers of the machine to come to the aid of home folks as well as solve the problems of scientists, Dixon and Gorman agreed to the proposal. Had they not shown how the instrument could open a box of matches, extract one and then ignite it by scratching the match on the box? Had the "hand" not been able to lift a receptacle con-

taining liquid and pour the contents into another receptacle? Sure — this should be easy.

### Baby Carefully Protected

So young Bobby was carefully placed on the table used as a base of operations for the machine. He was protected by a rubber blanket and air pillow. Under his sturdy young hips was placed the diaper in the usual No. 1 position known to all diaper changers.

Then the machine took over. Gingerly approaching the complacent Bobby, the "hand" took hold of both ends of the diaper, folded it neatly and gathered the ends into place. Gently bringing the ends close together the operator snugly arranged the little garment into correct position with the same ease and—may it be said—aplomb, used by a fond mother or father. Granting one concession to the human element at the end of the procedure—the parents were allowed to perform the final step of the operation, that of firmly pinning the diaper in place.

### Old-Fashioned Way To Stay

The diaper-folding operation of the machine drew an enthusiastic and applauding group of spectators to see the feat, including many Y-12 employees and friends of the Wards. However, they all were admonished not to expect that such facilities as provided by the "mechanical hand" would be available to all households in the predictable future and that the good old-fashioned way of attending to junior's needs probably still would be necessary for many years to come.

## Oak Ridge Red Cross Blood Bank Observes Anniversary

(Continued from Page 1)

rate of \$25 per pint. This was the charge made for blood before the Red Cross chapter instituted its present program.

Mrs. Anderson also pointed out that the chapter makes no charge for blood to any Oak Ridge resident or employee of an Oak Ridge concern. If the blood is given to an Oak Ridge resident the case is handled in a routine manner by the Oak Ridge Hospital, which makes a charge of \$3 for cross-matching and \$2 for use of a transfusion set, but no charge for the blood. If a non-resident of Oak Ridge, but still an employee here, needs blood it also can be obtained without charge by making application to the chapter. However, fees for cross-matching and transfusion in outside hospitals are set by the institution and are not connected with the donation of blood by the Red Cross.

The Oak Ridge Chapter now has about 700 volunteer blood donors registered for the service.

Misuse of electrical equipment and defective wiring caused 70,000 fires costing \$52,000,000 in the United States in 1947.

## Jaycee State Board To Meet In Oak Ridge

The state board meeting of the Tennessee Junior Chamber of Commerce is slated to meet in Oak Ridge in January, 1948, for its regular quarterly session.

Several Y-12 employees have been appointed vice-chairmen or committee heads. They include Fred Hurst for vice-chairman of the Jaycette liaison and Leo Hemphill as vice-chairman for housing and facilities.

Committee heads include Bill Hoover for registration and information; Cliff Henderson on food and banquet arrangements; Homer Hunter for awards and resolutions; Don Matlock on dance and entertainment and A. Bissell on exhausted roosters.

Hunter and Henderson were also appointed to head another committee which included news and business halls.

## Pity Poor Molly; She Ain't Got No Poppa Molly

Press dispatches from New Orleans recently should have all fishermen in tears—not crocodile—of pity for the poor little Molliesia Formosa.

The reason—there are no little men Molliesia Formosas.

Dr. Carl Hubbs, president of the American Society of Ichthyologists and Herpetologists in New Orleans reports that the Molliesia Formosa (Amazon Molly for short) is destined to go through life without a mate.

Molly is a two-inch tropical fish, relative of the guppy, and Dr. Hubbs said he had studied the species for 20 generations and had never found a male.

Molly, he said, depends on male fish of other species for fertilization. The result—more females.

## Groves Warns Security Need Of Country Is Increasing

(Continued From Page 1)

eral Groves that efforts of subversive agents to obtain information about atomic operations is increasing. Every employee should know the security requirements of his particular job and anyone who is not thoroughly acquainted with those requirements should immediately obtain this information from Supervision.

The security regulations for Y-12 are fully covered in standard practice procedures for the plant. The Security Office, North Portal, telephone 7125, will gladly provide any information desired on security matters.



**CARBIDE AND CARBON  
CHEMICALS CORPORATION**  
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**PAID**  
Oak Ridge, Tenn.  
Permit No. 3

## Y-12 Girls Begin Cage Practice; Men's Teams Being Organized

Ten lassies have reported as candidates for Coach Bill Davis' plant varsity women's basketball team which begins play in the Oak Ridge City League in December.

Practice sessions now are in progress at the Glenwood and Fairview gymnasiums on the first three days of each week. The 10 girls who have met the first two practice sessions under Coach Davis are Joan Gilliam, Katherine Jenkins, Elvira Kazlauskis, Virginia Bowers, Neva Harrison, Helen Brown, Hazel Butler, Madeline Sain, Phyllis Johnson, and Lillian Hamlet.

## Son Of Y-12er Aims For Medals In Rifle Meet



Don Matlock, Jr.

Don Matlock, Jr., 14-year-old son of Don Matlock, machinery foreman in Dept. B12A, has an eye for rifle medals and that's what his target is in the above picture taken recently at the Oak Ridge Sportsmen's Club's rifle range.

Don has been firing rifles since he was nine years old under the supervision of his father who is reputed to be quite a manipulator with firearms. Don says, "I joined the Jefferson Junior High rifle club when I was in the seventh grade, but didn't get to shoot much, so I didn't get my medals. I worked Saturdays when the club shot."

However, this year, Don plans to win some medals. He already has proved to be a sharpshooter by scoring 35 out of a possible 50 points on two targets.

In order to qualify as a marksman, the first honor in the ladder of medal awards, Don must tally 20 points out of a possible 50 on 10 targets. He fires a .22 caliber rifle from a 50-foot range.

Eloise Dempsey, teacher at the school, is the rifle club's coach and it has been under her instruction that young Matlock has achieved his fine scoring thus far.

## Standings In Plant Bowling Leagues

B LEAGUE				
Team	W	L	Team	W L
Woodpeckers	28	8	Wolves	16 16
All Stars	23	9	Cubs	14 18
Rippers	23	9	Head Pins	12 20
Maintenance	17	15	Bums	12 20
Comets	17	15	One-91	8 24
Mules	17	15	A12M	8 24
C LEAGUE				
Team	W	L	Team	W L
K'busters	20	12	Bldg. 9206	18 14
Mat'lizers	19	13	Hooks	15 17
Moles	19	13	Guards	14 18
Thin Pins	18	14	Orphans	5 27
D LEAGUE				
Team	W	L	Team	W L
Strikers	18	10	Woodchoppers	15 13
Termites	17	11	Scotties	13 15
Pinbusters	17	11	Splinters	9 19
Old Men	16	12	Overheads	7 21
H12L LEAGUE				
Team	W	L	Team	W L
Cherry Pickers	15	1	Apple Knockers	5 11
Beetle Baums	9	7	Jim Crows	3 13
W LEAGUE				
Team	W	L	Team	W L
Comptrollers	5	1	Hi Balls	3 3
Beta Pick-Ups	3	3	Kemps	2 4
Wholly Rollers	3	3	Dodgers	2 4

Coach Davis has requested that more girls try out for the team in order to have his sextet at three-deep strength to meet all contenders at the same level.

### More Candidates Wanted

Girls interested in joining the team should call Davis at 7125 or Arnold Tiller, Y-12 Recreational Supervisor, at 7-8252. Davis added that previous experience is not necessary in order to play on the varsity team. Davis, a basketball coach of reputable fame, will gladly give his time in molding any girl into an Oak Ridge league player.

### Past Records Excellent

The Y-12 girls' basketball team has made quite a record for itself and the plant in the past two years in both district and regional tournament play as well as in the Oak Ridge City League.

Steps have already been taken by several departments in organizing men's basketball teams for the Y-12 Plant League. Space in the city gymnasiums may be reserved by calling Tiller at 7-8252.

### Woodpeckers Blank Bums To Hold Lead

The Woodpeckers hoodwinked the Bums for four points in last week's B League play to remain on top of their bowling league by one point. The Rippers blanked the One-91ers for four points to tie the All-Stars, who clipped the Comets for three points, for second place in the standing.

Maintenance and the Wolves split four points along with the Mules and Cubs. The Head Pins made news by shutting-out the A12Ms for four points.

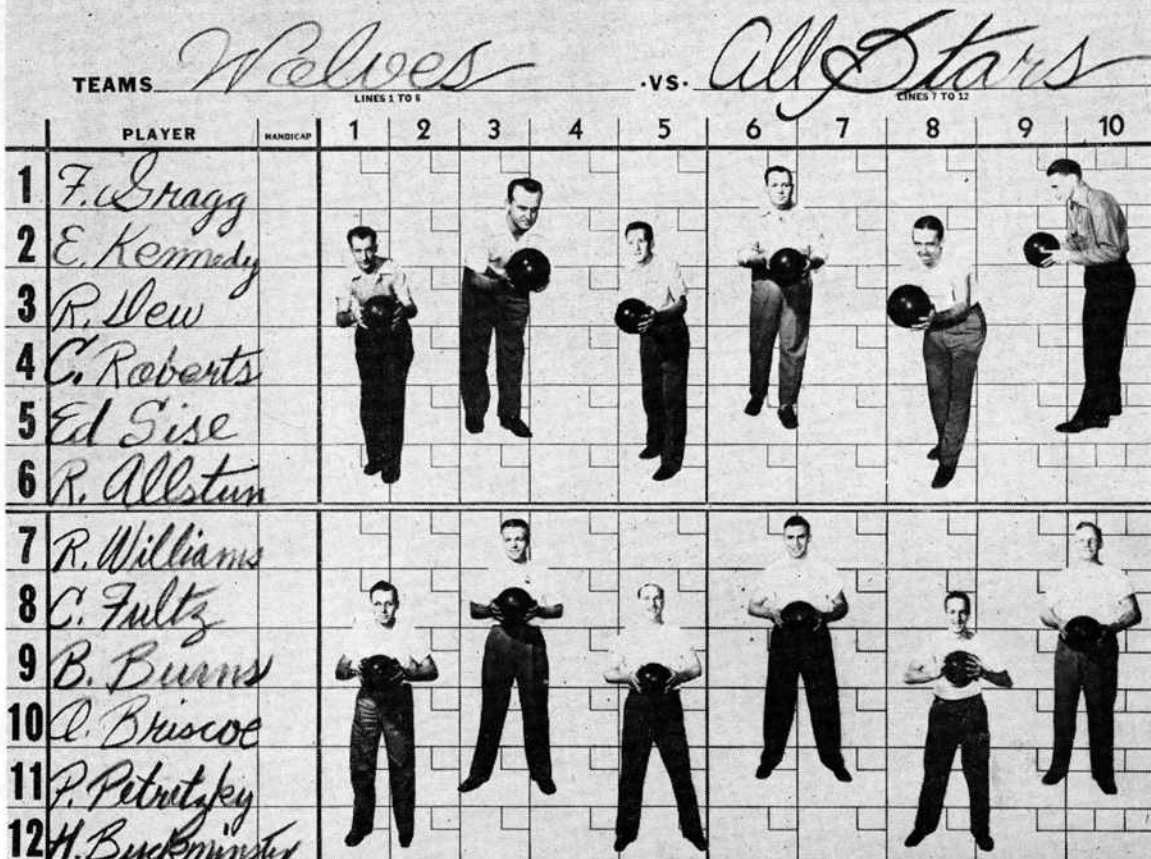
The Head Pins also emerged with a league record for the season by toppling 1,077 pins in the team single handicap game class.

James K. Polk, 11th president of the United States; and Warren G. Harding, the 28th President, both were born November 2, Polk in 1795 and Harding in 1865.

After dropping the opening encounter in the Oak Ridge Pocket Billiard League to the Oak Ridge National Laboratory cuemen by a three-two count, the Y-12 artists stroked back brilliantly to blank the Roane-Anderson boys on five games and taking an extra point on total balls to read Y-12, 6 and Roane-Anderson 0.

Y-12 won four of the games by comfortable margins and took the fifth on a forfeit. Scores follow: Bill Walker topped Roberts 75-39; Red Wiest eased by Moore 75-71; Jack Remine breezed past Smith 75-44; and H. M. Barnett won over Tallent 75-47.

The lopsided victory puts the Y-12 varsity into the league lead with eight wins and four defeats. Second place is occupied by ORNL. K-25 and Roane-Anderson are both tied for third place.



HERE IS ANOTHER OF A SERIES OF PICTURES OF Y-12 PLANT BOWLING TEAMS. These pinmen form the Wolves and All-Stars, both of the B League, who bowl every Thursday night.

## Knucklebusters Beat Guards To Take Lead

The Knucklebusters scooted into first place in the C Bowling League last Tuesday night by tripping the Guard keggers for four consecutive points. The leaders have won 20 points and dropped 12.

The Materializers were edged out of their first place position, which they occupied last week, by one point to join the Moles in a tie for second place.

The Thin Pins splattered the Materializers for three points, and the Bldg. 9206 bowlers laid it on the Hooks the same way. The Moles bettered their standing by trimming the last place Orphans for three points.

The Hooks toppled 998 pins for high handicap game, and Bldg. 9206 captured the series high for the night with 2,805 pins. Johnson, of the Hooks, won the high series handicap with 612 pins.

## Cherry Pickers Take All Honors In H12L Pin Play

Two teams in the H12L League blasted their opponents for all four points in last Thursday night's bowling play. They were the Cherry Pickers, who dropped the Apple Knockers, and the Beetle Baums trouncing the Jim Crows.

The Cherry Pickers took all of the team and individual high honors for the league play last week. Tom Crabtree was their winner in the scratch and handicap classes. He scored 202 in the scratch and 250 in the handicap.

## Varsity Cuemen Blank R-A To Lead Billiard League

The Y-12 varsity pinmen remained in a fourth place tie with the Addressograph keggers in the Oak Ridge City League for the second straight week after taking three points, in the four point series, from the Oak Ridge National Laboratory bowlers.

The plant team had a 17 won and 11 lost standing as a result of last week's play. Allards booted Marot Jewelers off of the league lead, which they have occupied since the beginning of the season, by taking three points from the former leaders.

Y-12's three-game total gave them a total of 2,430 pins toppled to 2,336 for ORNL.

Y-12 team members and their individual series scores follow: Cobble 462, ZaBenco 514, Pletz 508, Tibbatts 463, and Whittaker 483.

## SPORTS

## Bums Give Oilers First Loop Loss In Tag Football

The Bums passed and ran through the Oilers last Tuesday night at Pinewood Park to hand them their first defeat of the season in the Y-12 tag football league to the tune of 20 to 7.

The Bums were determined to trip the league leaders as evidenced by their plays during the closing minutes of the game. The victors were leading the Oilers 12 to 7 and elected to pass the ball instead of letting the time run out by line bucks. The aeriels paid off with eight seconds left to play when the Bums scored the final touchdown.

The Bums scored first in the first quarter and missed the extra point. The Oilers flashed across the goal in the second period for their only tally. The extra point was good, putting them out in front 7 to 6.

The Bums scored again in the third period and made the extra point. The Oilers then attempted to overcome the lead with long aeriels and pull the game out of the fire but lost the ball on downs.

## Varsity Pinmen Trip ORNL Five For Three Points

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## Four-Way Tie Broken In D Bowling League

The Strikers five remained in the D League lead after last Wednesday night's play when they toppled the Woodchoppers for three points and dropped one. The four-way tie which developed from last week's games for second place was split as the Termites and Pinbusters held on to the coveted position. Each of the second billers are edging the leader by only one point.

The Termites dominated the alley in their match with the Overheads by taking three points. The Pinbusters nipped the Scotties for three points, while the Old Men and Splinters split their four points to end the play for last week.

The Strikers captured three of the four team honors by taking high scores in the series, handicap series and handicap single team classes.

## Comptrollers Stay In Lead In Women's Plant Pin Loop

The Comptrollers of the Y-12 Women's Bowling League blanked the Beta Pick-Ups for three points in last week's play to stay in the lead at the end of the second week of competition.

The Wholly Rollers won three from the Dodgers and the Hi Balls stopped the Kemps on one win to take the two remaining points.

Puckett, of the Kemps, captured the individual high scores in two classes, series handicap and single game with 614 and 221 pins respectively.

The Hi Balls made high team series honors on 2,275 pins.

## Keglerettes Of Y-12 Defeat Norris Creamery On Alleys

The Y-12 varsity lassies bowled the Norris Creamery girls off the alleys last Thursday in the City League play. The Norris crew, currently in second place in the league, dropped two of the three games to Y-12.

The plant keglerettes are slated to roll against the Sure Shots on Thursday night. The Sure Shots are in the lower division of the league and four points won there by Y-12 would boost them up into the top bracket of the league.

Evelyn Jago toppled 435 pins in the three-game series for Y-12 to lead the team for high score. She was followed by Margaret O'Neil with 420, Oleyne Poindexter with 409, Inez Reece with 390 and Beatrix Boherty with 350.